

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR 03/02055-0

CLASSIFICATION OF SUBJECT MATTER

IPC⁷: H02K 41/025, H02P 7/01, F04B 49/06, F25B 1/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷: H02K, H02P, F04B, F25B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4332528 A (HAMMELE) 1 June 1982 (01.06.1982) <i>column 1, lines 37-61.</i>	1,7
Y	<i>column 2, lines 15-33.</i>	3-5,8-10
A	<i>column 3, lines 29-42.</i>	2,5
Y	JP 08 303920 A (MATSUSHITA REFRIG CO LTD) 22 November 1996 (22.11.1996) <i>paragraphs [0005-0010].</i>	3-5,8-10
A	JP 11 159903 A (DAIKIN IND LTD) 15 June 1999 (15.06.1999) <i>paragraphs [0012-0015].</i>	1,2,7,8
A	EP 0534890 A2 (EMERSON ELECTRIC CO) 31 March 1993 (31.03.1993) <i>column 3, line 44 - column 5, line 1.</i>	1,2,8
A	JP 10 205956 A (FUJITSU GENERAL LTD) 4 August 1998 (04.08.1998) <i>Patent Abstracts of Japan.</i>	1,3,8

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

„A“ document defining the general state of the art which is not considered to be of particular relevance

„E“ earlier application or patent but published on or after the international filing date

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„O“ ~~document~~ referring to an oral disclosure, use, exhibition or other ~~means~~

„P“ document published prior to the international filing date but later than the priority date claimed

„T“ later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

„X“ document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

„Y“ document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

„&“ document member of the same patent family

Date of the actual completion of the international search

10 February 2004 (10.02.2004)

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Name and mailing address of the ISA/AT

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR 03/02055-0

Patent document cited in search report			Publication date	Patent family member(s)			Publication date
EP	A	534890		KR	B	276006	2000-12-15
				DE	T	69215632T	1997-05-07
				US	A	5192887	1993-03-09
				ES	T	2095441T	1997-02-16
				EP	A	0534890	1993-03-31
				DE	D	69215632D	1997-01-16
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JP	A	11159903 A2		none			
US	A	4332528	1982-06-01	IT	B	1130053	1986-06-11
				YU	A	58180	1983-01-21
				DK	A	121380	1980-09-22
				FR	A	2452012	1980-10-17
				DE	A	2910966	1980-10-02